

## **ABSTRACT**

The present invention relates to an organic light emitting device structure having an organic light emitting device (OLED) over a substrate, where the OLED has, for example, an anode, a hole transporting layer (HTL), a first electron transporting layer (ETL) that is doped  
5 with a phosphorescent material, a second electron transporting layer (ETL), and a cathode. The OLEDs of the present invention are directed, in particular, to devices that include an emissive layer comprised of an electron transporting host material having a triplet excited state energy level that is higher than the emissive triplet excited state energy level of the phosphorescent dopant material.

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